



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NO. 09/122,269	FILING DATE 07/24/98	FIRST NAMED INVENTOR ARMSTRONG	B	ATTORNEY DOCKET NO.
-------------------------------	-------------------------	-----------------------------------	---	---------------------

BRAD A ARMSTRONG
P O BOX 1419
PARADISE CA 95967

QM21/0620

PARADISE, J	EXAMINER
-------------	----------

ART UNIT 371.9	PAPER NUMBER
-------------------	--------------

DATE MAILED:

06/20/00

4/a

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

SUPPLEMENTAL
Notice of Allowability

Application No.
09/122,269

Applicant(s)
ARMSTRONG

Examiner
John Paradiso

Group Art Unit
3713



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☒ This communication is responsive to NOA

☒ The allowed claim(s) is/are 1-19

☒ The drawings filed on 7/24/98 are acceptable.

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☒ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE **THREE MONTHS** FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☐ Applicant MUST submit NEW FORMAL DRAWINGS

☐ because the originally filed drawings were declared by applicant to be informal.

☐ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. _____

☐ including changes required by the proposed drawing correction filed on _____, which has been approved by the examiner.

☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

☐ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

☐ Interview Summary, PTO-413

☒ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☐ Examiner's Statement of Reasons for Allowance

A

*4/km/aga-
16-20-00*

Art Unit: 3713

EXAMINER'S AMENDMENT

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Brad Armstrong on June 14, 2000.

2. The (Abstract) has been replaced to read as follows:

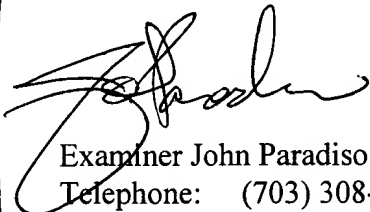
Improved methods for using a dome-cap sensor wherein an injection molded dome-cap is combined with an analog active element which is positioned to contact conductive elements of an electronic circuit. The dome-cap is variably depressible for transferring force of varying intensity into the active element to provide variable conductivity connecting the proximal conductive elements. The electronic circuit reads the active element as being in any one of at least three or more readable states dependent upon amount of pressure applied to the active element. Relief of depressive force allows the dome-cap to return to a raised position and one which can indicate the sensor as electrically deactivated. Also disclosed is an improved analog sensing circuit including a user manipulable variable-conductance sensor, the improvement including the variable-

Art Unit: 3713

a'
Cml,
conductance sensor being an injection molded dome-cap with an analog material and variably depressible to variably compress the material; the analog material, at least when compressed, is contacting two proximal circuit elements, wherein the degree of compression determines the degree of conductivity between the two proximal circuits.

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to:



Examiner John Paradiso
Telephone: (703) 308-2825
Fax: (703) 305-3579/3580



VALENCIA MARTIN-WALLACE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3700

June 15, 2000